



Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (T).

Risposte

A fraction will result in a **terminating** decimal if the prime factors of the simplified denominator contain only 2s or 5s (or only 2s and 5s).

$$\frac{6}{40} = \frac{3}{20} = 2 \times 2 \times 5 = 0.15$$

A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

1) $10 : 3 =$ _____

1. _____

2) $\frac{1}{8} =$ _____

2. _____

3) $\frac{16}{20} =$ _____

3. _____

4) $102 : 19 =$ _____

4. _____

5) $\frac{2}{17} =$ _____

5. _____

6) $288 : 27 =$ _____

6. _____

7) $\frac{11}{13} =$ _____

7. _____

8) $\frac{6}{16} =$ _____

8. _____

9) $196 : 30 =$ _____

9. _____

10) $\frac{21}{24} =$ _____

10. _____

11) $101 : 15 =$ _____

11. _____

12) $243 : 26 =$ _____

12. _____

13) $45 : 18 =$ _____

13. _____

14) $84 : 22 =$ _____

14. _____

15) $144 : 14 =$ _____

15. _____



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Risposte

1. R
2. T
3. T
4. R
5. R
6. R
7. R
8. T
9. R
10. T
11. R
12. R
13. T
14. R
15. R

1) $10 : 3 =$ 3

2) $\frac{1}{8} =$ $2 \times 2 \times 2$

3) $\frac{16}{20} =$ 5

4) $102 : 19 =$ 19

5) $\frac{2}{17} =$ 17

6) $288 : 27 =$ 3

7) $\frac{11}{13} =$ 13

8) $\frac{6}{16} =$ $2 \times 2 \times 2$

9) $196 : 30 =$ 3×5

10) $\frac{21}{24} =$ $2 \times 2 \times 2$

11) $101 : 15 =$ 3×5

12) $243 : 26 =$ 2×13

13) $45 : 18 =$ 2

14) $84 : 22 =$ 11

15) $144 : 14 =$ 7



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1) $\frac{2}{5} =$ _____

2) $47 : 9 =$ _____

3) $141 : 16 =$ _____

4) $108 : 11 =$ _____

5) $\frac{9}{17} =$ _____

6) $\frac{12}{28} =$ _____

7) $\frac{8}{20} =$ _____

8) $\frac{2}{26} =$ _____

9) $7 : 2 =$ _____

10) $151 : 30 =$ _____

11) $\frac{10}{12} =$ _____

12) $\frac{12}{13} =$ _____

13) $\frac{4}{14} =$ _____

14) $92 : 21 =$ _____

15) $10 : 4 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

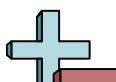
11. _____

12. _____

13. _____

14. _____

15. _____



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$$\frac{6}{40} = \frac{3}{20} = 2 \times 2 \times 5 = 0.15$$

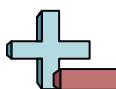
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Risposte

- 1) $\frac{2}{5} = \underline{\hspace{2cm}} \text{ T}$
- 2) $47 : 9 = \underline{\hspace{2cm}} \text{ R}$
- 3) $141 : 16 = \underline{\hspace{2cm}} \text{ R}$
- 4) $108 : 11 = \underline{\hspace{2cm}} \text{ T}$
- 5) $\frac{9}{17} = \underline{\hspace{2cm}} \text{ R}$
- 6) $\frac{12}{28} = \underline{\hspace{2cm}} \text{ R}$
- 7) $\frac{8}{20} = \underline{\hspace{2cm}} \text{ T}$
- 8) $\frac{2}{26} = \underline{\hspace{2cm}} \text{ R}$
- 9) $7 : 2 = \underline{\hspace{2cm}} \text{ T}$
- 10) $151 : 30 = \underline{\hspace{2cm}} \text{ R}$
- 11) $\frac{10}{12} = \underline{\hspace{2cm}} \text{ R}$
- 12) $\frac{12}{13} = \underline{\hspace{2cm}} \text{ R}$
- 13) $\frac{4}{14} = \underline{\hspace{2cm}} \text{ R}$
- 14) $92 : 21 = \underline{\hspace{2cm}} \text{ R}$
- 15) $10 : 4 = \underline{\hspace{2cm}} \text{ T}$

1. **T**
2. **R**
3. **T**
4. **R**
5. **R**
6. **R**
7. **T**
8. **R**
9. **T**
10. **R**
11. **R**
12. **R**
13. **R**
14. **R**
15. **T**



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$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

1) $31 : 3 =$ _____

1. _____

2) $\frac{1}{2} =$ _____

2. _____

3) $107 : 28 =$ _____

3. _____

4) $\frac{4}{7} =$ _____

4. _____

5) $\frac{5}{13} =$ _____

5. _____

6) $\frac{7}{22} =$ _____

6. _____

7) $153 : 25 =$ _____

7. _____

8) $271 : 26 =$ _____

8. _____

9) $99 : 24 =$ _____

9. _____

10) $\frac{7}{12} =$ _____

10. _____

11) $\frac{1}{4} =$ _____

11. _____

12) $166 : 27 =$ _____

12. _____

13) $\frac{7}{8} =$ _____

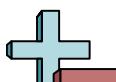
13. _____

14) $\frac{7}{15} =$ _____

14. _____

15) $\frac{16}{23} =$ _____

15. _____



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Risposte

1) $31 : 3 = \underline{\hspace{2cm}}$

1. R

2) $\frac{1}{2} = \underline{\hspace{2cm}}$

2. T

3) $107 : 28 = \underline{\hspace{2cm}}$

3. R

4) $\frac{4}{7} = \underline{\hspace{2cm}}$

4. R

5) $\frac{5}{13} = \underline{\hspace{2cm}}$

5. R

6) $\frac{7}{22} = \underline{\hspace{2cm}}$

6. R

7) $153 : 25 = \underline{\hspace{2cm}}$

7. T

8) $271 : 26 = \underline{\hspace{2cm}}$

8. R

9) $99 : 24 = \underline{\hspace{2cm}}$

9. T

10) $\frac{7}{12} = \underline{\hspace{2cm}}$

10. R

11) $\frac{1}{4} = \underline{\hspace{2cm}}$

11. T

12) $166 : 27 = \underline{\hspace{2cm}}$

12. R

13) $\frac{7}{8} = \underline{\hspace{2cm}}$

13. T

14) $\frac{7}{15} = \underline{\hspace{2cm}}$

14. R

15) $\frac{16}{23} = \underline{\hspace{2cm}}$

15. R



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$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

1) $\frac{18}{27} =$ _____

2) $\frac{3}{8} =$ _____

3) $196 : 24 =$ _____

4) $\frac{10}{28} =$ _____

5) $71 : 22 =$ _____

6) $82 : 14 =$ _____

7) $60 : 21 =$ _____

8) $\frac{3}{5} =$ _____

9) $15 : 4 =$ _____

10) $\frac{1}{2} =$ _____

11) $33 : 7 =$ _____

12) $\frac{4}{6} =$ _____

13) $\frac{14}{30} =$ _____

14) $\frac{2}{17} =$ _____

15) $80 : 9 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

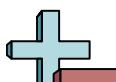
11. _____

12. _____

13. _____

14. _____

15. _____



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Risposte

1. R
2. T
3. R
4. R
5. R
6. R
7. R
8. T
9. T
10. T
11. R
12. R
13. R
14. R
15. R

1) $\frac{18}{27} =$ 3

2) $\frac{3}{8} =$ $2 \times 2 \times 2$

3) $196 : 24 =$ 2×3

4) $\frac{10}{28} =$ 2×7

5) $71 : 22 =$ 2×11

6) $82 : 14 =$ 7

7) $60 : 21 =$ 7

8) $\frac{3}{5} =$ 5

9) $15 : 4 =$ 2×2

10) $\frac{1}{2} =$ 2

11) $33 : 7 =$ 7

12) $\frac{4}{6} =$ 3

13) $\frac{14}{30} =$ 3×5

14) $\frac{2}{17} =$ 17

15) $80 : 9 =$ 3×3



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1) $136 : 19 =$ _____

1. _____

2) $\frac{7}{26} =$ _____

2. _____

3) $8 : 3 =$ _____

3. _____

4) $\frac{5}{23} =$ _____

4. _____

5) $79 : 13 =$ _____

5. _____

6) $\frac{6}{12} =$ _____

6. _____

7) $48 : 21 =$ _____

7. _____

8) $\frac{24}{27} =$ _____

8. _____

9) $\frac{8}{29} =$ _____

9. _____

10) $\frac{5}{30} =$ _____

10. _____

11) $172 : 28 =$ _____

11. _____

12) $\frac{4}{10} =$ _____

12. _____

13) $36 : 11 =$ _____

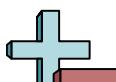
13. _____

14) $\frac{2}{8} =$ _____

14. _____

15) $\frac{8}{16} =$ _____

15. _____



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Risposte

1. R
2. R
3. R
4. R
5. R
6. T
7. R
8. R
9. R
10. R
11. R
12. T
13. R
14. T
15. T

1) $136 : 19 =$ 19

2) $\frac{7}{26} =$ 2×13

3) $8 : 3 =$ 3

4) $\frac{5}{23} =$ 23

5) $79 : 13 =$ 13

6) $\frac{6}{12} =$ 2

7) $48 : 21 =$ 7

8) $\frac{24}{27} =$ 3×3

9) $\frac{8}{29} =$ 29

10) $\frac{5}{30} =$ 2×3

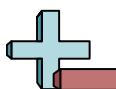
11) $172 : 28 =$ 7

12) $\frac{4}{10} =$ 5

13) $36 : 11 =$ 11

14) $\frac{2}{8} =$ 2×2

15) $\frac{8}{16} =$ 2



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1) $\frac{5}{23} =$ _____

2) $\frac{21}{25} =$ _____

3) $\frac{7}{13} =$ _____

4) $73 : 30 =$ _____

5) $61 : 7 =$ _____

6) $\frac{10}{24} =$ _____

7) $77 : 8 =$ _____

8) $\frac{3}{4} =$ _____

9) $\frac{8}{9} =$ _____

10) $107 : 15 =$ _____

11) $40 : 6 =$ _____

12) $\frac{16}{29} =$ _____

13) $139 : 22 =$ _____

14) $86 : 26 =$ _____

15) $\frac{13}{21} =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

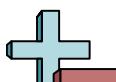
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14. _____

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Risposte

- 1) $\frac{5}{23} = \underline{\hspace{2cm}23}$
- 2) $\frac{21}{25} = \underline{\hspace{2cm}5 \times 5}$
- 3) $\frac{7}{13} = \underline{\hspace{2cm}13}$
- 4) $73 : 30 = \underline{\hspace{2cm}2 \times 3 \times 5}$
- 5) $61 : 7 = \underline{\hspace{2cm}7}$
- 6) $\frac{10}{24} = \underline{\hspace{2cm}2 \times 2 \times 3}$
- 7) $77 : 8 = \underline{\hspace{2cm}2 \times 2 \times 2}$
- 8) $\frac{3}{4} = \underline{\hspace{2cm}2 \times 2}$
- 9) $\frac{8}{9} = \underline{\hspace{2cm}3 \times 3}$
- 10) $107 : 15 = \underline{\hspace{2cm}3 \times 5}$
- 11) $40 : 6 = \underline{\hspace{2cm}3}$
- 12) $\frac{16}{29} = \underline{\hspace{2cm}29}$
- 13) $139 : 22 = \underline{\hspace{2cm}2 \times 11}$
- 14) $86 : 26 = \underline{\hspace{2cm}13}$
- 15) $\frac{13}{21} = \underline{\hspace{2cm}3 \times 7}$

1. **R**
2. **T**
3. **R**
4. **R**
5. **R**
6. **R**
7. **T**
8. **T**
9. **R**
10. **R**
11. **R**
12. **R**
13. **R**
14. **R**
15. **R**



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A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

1) $195 : 30 =$ _____

1. _____

2) $161 : 18 =$ _____

2. _____

3) $49 : 24 =$ _____

3. _____

4) $\frac{1}{2} =$ _____

4. _____

5) $46 : 22 =$ _____

5. _____

6) $114 : 11 =$ _____

6. _____

7) $230 : 28 =$ _____

7. _____

8) $\frac{1}{3} =$ _____

8. _____

9) $\frac{14}{21} =$ _____

9. _____

10) $168 : 17 =$ _____

10. _____

11) $\frac{3}{4} =$ _____

11. _____

12) $\frac{6}{10} =$ _____

12. _____

13) $\frac{11}{25} =$ _____

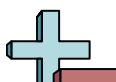
13. _____

14) $\frac{6}{9} =$ _____

14. _____

15) $73 : 12 =$ _____

15. _____



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Risposte

- 1) $195 : 30 = \underline{\hspace{2cm}} \text{ T}$
- 2) $161 : 18 = \underline{\hspace{2cm}} \text{ R}$
- 3) $49 : 24 = \underline{\hspace{2cm}} \text{ R}$
- 4) $\frac{1}{2} = \underline{\hspace{2cm}} \text{ T}$
- 5) $46 : 22 = \underline{\hspace{2cm}} \text{ R}$
- 6) $114 : 11 = \underline{\hspace{2cm}} \text{ T}$
- 7) $230 : 28 = \underline{\hspace{2cm}} \text{ R}$
- 8) $\frac{1}{3} = \underline{\hspace{2cm}} \text{ R}$
- 9) $\frac{14}{21} = \underline{\hspace{2cm}} \text{ R}$
- 10) $168 : 17 = \underline{\hspace{2cm}} \text{ T}$
- 11) $\frac{3}{4} = \underline{\hspace{2cm}} \text{ T}$
- 12) $\frac{6}{10} = \underline{\hspace{2cm}} \text{ T}$
- 13) $\frac{11}{25} = \underline{\hspace{2cm}} \text{ T}$
- 14) $\frac{6}{9} = \underline{\hspace{2cm}} \text{ R}$
- 15) $73 : 12 = \underline{\hspace{2cm}} \text{ R}$

1. **T**
2. **R**
3. **R**
4. **T**
5. **R**
6. **R**
7. **R**
8. **R**
9. **R**
10. **R**
11. **T**
12. **T**
13. **T**
14. **R**
15. **R**



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$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

1) $\frac{7}{30} =$ _____

2) $\frac{12}{13} =$ _____

3) $182 : 25 =$ _____

4) $\frac{4}{12} =$ _____

5) $\frac{24}{29} =$ _____

6) $201 : 22 =$ _____

7) $82 : 8 =$ _____

8) $\frac{2}{3} =$ _____

9) $51 : 21 =$ _____

10) $\frac{6}{16} =$ _____

11) $255 : 26 =$ _____

12) $\frac{1}{5} =$ _____

13) $\frac{3}{4} =$ _____

14) $148 : 15 =$ _____

15) $\frac{18}{28} =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

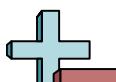
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$$\frac{6}{40} = \frac{3}{20} = 2 \times 2 \times 5 = 0.15$$

A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

Risposte

1. R
2. R
3. T
4. R
5. R
6. R
7. T
8. R
9. R
10. T
11. R
12. T
13. T
14. R
15. R

1) $\frac{7}{30} = \underline{2 \times 3 \times 5}$

2) $\frac{12}{13} = \underline{13}$

3) $182 : 25 = \underline{5 \times 5}$

4) $\frac{4}{12} = \underline{3}$

5) $\frac{24}{29} = \underline{29}$

6) $201 : 22 = \underline{2 \times 11}$

7) $82 : 8 = \underline{2 \times 2}$

8) $\frac{2}{3} = \underline{3}$

9) $51 : 21 = \underline{7}$

10) $\frac{6}{16} = \underline{2 \times 2 \times 2}$

11) $255 : 26 = \underline{2 \times 13}$

12) $\frac{1}{5} = \underline{5}$

13) $\frac{3}{4} = \underline{2 \times 2}$

14) $148 : 15 = \underline{3 \times 5}$

15) $\frac{18}{28} = \underline{2 \times 7}$



Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (T).

Risposte

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A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

1) $\frac{22}{27} =$ _____

2) $\frac{8}{28} =$ _____

3) $\frac{10}{20} =$ _____

4) $\frac{5}{16} =$ _____

5) $62 : 13 =$ _____

6) $63 : 6 =$ _____

7) $73 : 11 =$ _____

8) $\frac{17}{29} =$ _____

9) $\frac{10}{19} =$ _____

10) $\frac{17}{24} =$ _____

11) $78 : 15 =$ _____

12) $206 : 21 =$ _____

13) $101 : 10 =$ _____

14) $64 : 7 =$ _____

15) $\frac{3}{26} =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

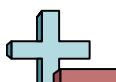
11. _____

12. _____

13. _____

14. _____

15. _____



Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (T).

A fraction will result in a **terminating** decimal if the prime factors of the simplified denominator contain only 2s or 5s (or only 2s and 5s).

$$\frac{6}{40} = \frac{3}{20} = 2 \times 2 \times 5 = 0.15$$

A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

Risposte

- 1) $\frac{22}{27} = \underline{\hspace{2cm}}$ 3\times3\times3
- 2) $\frac{8}{28} = \underline{\hspace{2cm}}$ 7
- 3) $\frac{10}{20} = \underline{\hspace{2cm}}$ 2
- 4) $\frac{5}{16} = \underline{\hspace{2cm}}$ 2\times2\times2\times2
- 5) $62 : 13 = \underline{\hspace{2cm}}$ 13
- 6) $63 : 6 = \underline{\hspace{2cm}}$ 2
- 7) $73 : 11 = \underline{\hspace{2cm}}$ 11
- 8) $\frac{17}{29} = \underline{\hspace{2cm}}$ 29
- 9) $\frac{10}{19} = \underline{\hspace{2cm}}$ 19
- 10) $\frac{17}{24} = \underline{\hspace{2cm}}$ 2\times2\times2\times3
- 11) $78 : 15 = \underline{\hspace{2cm}}$ 5
- 12) $206 : 21 = \underline{\hspace{2cm}}$ 3\times7
- 13) $101 : 10 = \underline{\hspace{2cm}}$ 2\times5
- 14) $64 : 7 = \underline{\hspace{2cm}}$ 7
- 15) $\frac{3}{26} = \underline{\hspace{2cm}}$ 2\times13

1. R
2. R
3. T
4. T
5. R
6. T
7. R
8. R
9. R
10. R
11. T
12. R
13. T
14. R
15. R

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					



Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (T).

Risposte

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A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

1) $156 : 16 =$ _____

1. _____

2) $\frac{20}{29} =$ _____

2. _____

3) $68 : 25 =$ _____

3. _____

4) $\frac{8}{11} =$ _____

4. _____

5) $202 : 20 =$ _____

5. _____

6) $\frac{2}{3} =$ _____

6. _____

7) $\frac{4}{23} =$ _____

7. _____

8) $\frac{8}{9} =$ _____

8. _____

9) $186 : 24 =$ _____

9. _____

10) $\frac{2}{6} =$ _____

10. _____

11) $127 : 26 =$ _____

11. _____

12) $\frac{7}{21} =$ _____

12. _____

13) $36 : 17 =$ _____

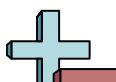
13. _____

14) $\frac{3}{4} =$ _____

14. _____

15) $7 : 2 =$ _____

15. _____



Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (T).

A fraction will result in a **terminating** decimal if the prime factors of the simplified denominator contain only 2s or 5s (or only 2s and 5s).

$$\frac{6}{40} = \frac{3}{20} = 2 \times 2 \times 5 = 0.15$$

A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

Risposte

1. T
2. R
3. T
4. R
5. T
6. R
7. R
8. R
9. T
10. R
11. R
12. R
13. R
14. T
15. T

1) $156 : 16 = \underline{\hspace{2cm} 2 \times 2 }$

2) $\frac{20}{29} = \underline{\hspace{2cm} 29 }$

3) $68 : 25 = \underline{\hspace{2cm} 5 \times 5 }$

4) $\frac{8}{11} = \underline{\hspace{2cm} 11 }$

5) $202 : 20 = \underline{\hspace{2cm} 2 \times 5 }$

6) $\frac{2}{3} = \underline{\hspace{2cm} 3 }$

7) $\frac{4}{23} = \underline{\hspace{2cm} 23 }$

8) $\frac{8}{9} = \underline{\hspace{2cm} 3 \times 3 }$

9) $186 : 24 = \underline{\hspace{2cm} 2 \times 2 }$

10) $\frac{2}{6} = \underline{\hspace{2cm} 3 }$

11) $127 : 26 = \underline{\hspace{2cm} 2 \times 13 }$

12) $\frac{7}{21} = \underline{\hspace{2cm} 3 }$

13) $36 : 17 = \underline{\hspace{2cm} 17 }$

14) $\frac{3}{4} = \underline{\hspace{2cm} 2 \times 2 }$

15) $7 : 2 = \underline{\hspace{2cm} 2 }$