

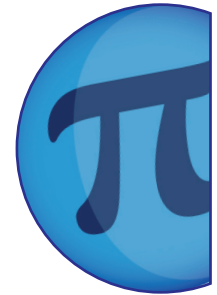


Fractions: Slow Motion

NAME:

CLASS:

DATE:



Basic

1) a) $\frac{1}{2} \times 25$

b) $\frac{3}{4} \times 24$

c) $\frac{1}{10} \times 270$

d) $\frac{1}{8} \times 64$

e) $\frac{2}{5} \times 325$

f) $\frac{7}{9} \times 81$

g) $30 \div \frac{5}{6}$

h) $120 \div \frac{3}{4}$

i) $380 \div \frac{2}{7}$

2) The cost of eight calculators is £37.60. What is the cost of five calculators?

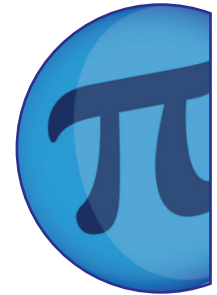


Fractions: Slow Motion

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Core

1) a) $23 \times \frac{2}{5}$

b) $280 \times \frac{5}{8}$

c) $895 \times \frac{2}{5}$

d) $180 \times \frac{3}{4}$

e) $-345 \times \frac{3}{5}$

f) $-12.5 \times \frac{1}{8}$

g) $\frac{3}{5} \div -2$

h) $\frac{1}{2} \div -8$

i) $\frac{9}{17} \div 3$

2) A nail-making machine can make 560 nails every seven seconds. How many nails will the machine make in one minute?

3) Three car tyres cost £204. How much will four tyres cost?

4) It takes nine men 30 days to build a fence. How long will it take 15 men to build the same fence?

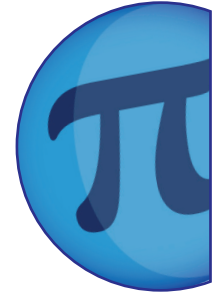


Fractions: Slow Motion

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Advanced

1) a) $\frac{1}{3} \times \frac{1}{6}$

b) $\frac{2}{3} \times \frac{2}{5}$

c) $\frac{2}{3} \times \frac{2}{5}$

d) $\frac{7}{8} \times \frac{1}{2}$

e) $\frac{3}{4} \times \frac{9}{16}$

f) $\frac{8}{5} \times \frac{5}{2}$

g) $\frac{9}{5} \times \frac{11}{9}$

h) $\frac{6}{35} \times \frac{35}{54}$

i) $\frac{7}{8} \times \frac{16}{21}$

j) $\frac{9}{16} \div \frac{3}{4}$

k) $\frac{8}{3} \div \frac{12}{5}$

l) $\frac{28}{9} \div \frac{14}{3}$

m) $\frac{9}{2} \div \frac{15}{4}$

n) $\frac{15}{4} \div \frac{15}{2}$

o) $\frac{21}{2} \div \frac{9}{4}$

2) If nine cakes cost £12.15, how much will ten cakes cost?

3) It takes five men 12 hours to build a wall. If six men were to do the job how long would it take?



Fractions: Slow Motion

ANSWERS

Basic

- 1) a) 12.5 b) 18 c) 27 d) 8 e) 130
f) 63 g) 36 h) 160 i) 1330

2) £23.50

Core

- 1) a) $\frac{46}{5}$ b) 175 c) 358 d) 135 e) -207
f) $-\frac{25}{16}$ g) $-\frac{3}{10}$ h) $\frac{1}{16}$ i) $\frac{3}{17}$

2) 4800 nails

3) £272

4) 18 days

Advanced

- 1) a) $\frac{1}{18}$ b) $\frac{4}{15}$ c) $\frac{5}{8}$ d) $\frac{7}{16}$ e) $\frac{27}{64}$
f) 4 g) $\frac{11}{5}$ h) $\frac{1}{9}$ i) $\frac{2}{3}$ j) $\frac{3}{4}$
k) $\frac{10}{9}$ l) $\frac{2}{3}$ m) $\frac{6}{5}$ n) $\frac{1}{2}$ o) $\frac{14}{3}$

2) £13.50

3) 10 hours