

Starter

1. Round the following to 2 s.f.

a. 47340

b. 12.639

c. 0.08199

2. Solve

a. $5x - 1 = 3x + 7$

b. $3x + 5 = 4x + 2$

c. $1 - 4x = 10 + 2x$

3. Find the following

a. $\frac{7}{8} + \frac{3}{4}$

b. $1\frac{1}{3} - \frac{5}{12}$

c. $6 \times 1\frac{1}{5}$

4. In 1992 a Frenchman skied 10440 feet from the top of Mount Everest down to base camp.

It took him 3 hours to do this.

If he travelled the same distance every minute, how many feet did he ski in one minute?

Starter

1. Round the following to 2 d.p.

a. 3.804

b. 18.9287

c. 0.9999

2. Find the following

a. $\frac{3}{8} \times 1\frac{1}{3}$

b. $4\frac{2}{3} - 2\frac{3}{5}$

c. $\frac{6}{7} \div \frac{3}{5}$

3. Fully factorise

a. $a^2b - 7ab^2$

b. $8fg^3h + 24fg^2h^2$

c. $51xy^2z - 17x^3yz$

4. A photocopier can produce 75 copies of a booklet in 5 mins.
How long will it take to produce 125 booklets?

Starter

1. Express the following as product of prime factors

a. 108

b. 420

2. Find the following

a. $2\frac{3}{5} + 1\frac{1}{4}$

b. $1\frac{1}{3} \times 2\frac{3}{8}$

c. $8 \div \frac{3}{7}$

3. Solve

a. $10x - 7 = 9x + 1$

b. $x - 10 = 12 - 2x$

c. $4 - 5x = 6x + 9$

4. Taking 1 inch = 2.5 cm,

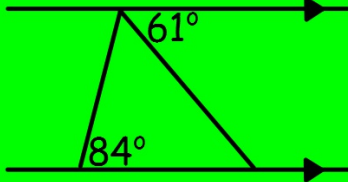
a. Change 16 inches into cm.

b. A pencil case is 22.5 cm in length. How many inches long is it?

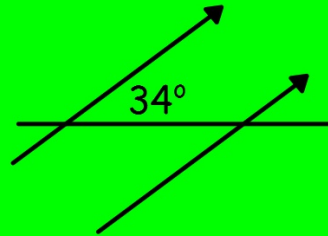
Starter

1. Fill in the missing angles

a.



b.



2. Multiply out the brackets and simplify

a. $8(2f - 3) - 4(3f - 2)$

b. $6p(p - 4) + p^2(5 - p)$

3. Morgan ran $\frac{3}{4}$ of a mile on Monday, $\frac{2}{3}$ of a mile on Tuesday, and $\frac{7}{8}$ of a mile on Wednesday.

a. How far did she run in total?

b. She intends to have run 5 miles by Sunday. How much further does she have to go?

4. Find a. 22.5% of £276

b. 187×29

Starter

1. Find

a. 3000×0.55

b. $468 \div 900$

2. Solve

a. $6x - 3 = 7x + 4$

b. $11 - 2x = 4x + 8$

c. $16 + 5x = 18 - 3x$

3. If $j = (-2)$, $k = 4$, $l = (-1)$, evaluate the following expressions

a. $6jkl$

b. $jk^2 - 2l$

c. $2k + (j - l)^3$

4. a. David has $8\frac{3}{4}$ acres of land. He buys another $2\frac{1}{6}$ acres.

How much land does he now have?

b. A package weighs $4\frac{2}{5}$ kg. Its contents weigh $3\frac{1}{3}$ kg.

How heavy is the packaging?