

Simple percentages without a calculator



Simple percentages without a calculator

1. Complete the calculations.

a) 50% of £150

e) 10% of £150

b) 25% of £150

f) 5% of £150

c) 75% of £150

g) 1% of £150

d) 20% of £150

h) 3% of £150

2. Amir says

To find 10%
of a number, you can
divide by 10, so to find
5% of a number you
divide by 5

Is Amir correct?

Explain your reasoning.



Simple percentages without a calculator

3. Use the calculations on the right to help you with the calculations on the left.

- a) 3% of 1,020
- b) 3% of 781
- c) 70% of 4,320
- d) 95% of 120
- e) 99% of 800

$$1\% \text{ of } 1,020 = 10.2$$

$$6\% \text{ of } 781 = 46.86$$

$$7\% \text{ of } 4,320 = 302.4$$

$$5\% \text{ of } 120 = 6$$

$$1\% \text{ of } 800 = 6$$

4. Ms Hall has £700 in her bank account. She spends 45% of her money on rent.



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How much money does she have left?

5. Find the missing numbers in these calculations

a) 30% of = 30

b) 35% of 200 = 70% of

c) 40% of 120 = 20% of



Answers



Simple percentages without a calculator

1. Complete the calculations.

a) 50% of £150

£75

b) 25% of £150

£37.50

c) 75% of £150

£112.50

d) 10% of £150

£15

e) 20% of £150

£30

f) 5% of £150

£7.50

g) 1% of £150

£1.50

h) 3% of £150

£4.50

2. Amir says

To find 10%
of a number, you can
divide by 10, so to find
5% of a number you
divide by 5

Is Amir correct?

No Amir is not correct.

Explain your reasoning.

Dividing by 5 will find 20% of a number.



Simple percentages without a calculator

3. Use the calculations on the right to help you with the calculations on the left.

a) 3% of 1,020 = 30.6

1% of 1,020 = 10.2

b) 3% of 781 = 23.43

6% of 781 = 46.86

c) 70% of 4,320 = 3024

7% of 4,320 = 302.4

d) 95% of 120 = 114

5% of 120 = 6

e) 99% of 800 = 792

1% of 800 = 8

4. Ms Hall has £700 in her bank account. She spends 45% of her money on rent.



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How much money does she have left? £385

5. Find the missing numbers in these calculations

a) 30% of 100 = 30

b) 35% of 200 = 70% of 100

c) 40% of 120 = 20% of 240

