

Teacher notes to parents:

There 10 slides in total and they are ANIMATED, so need to be shown as a 'Slide Show.'

Some questions are ...

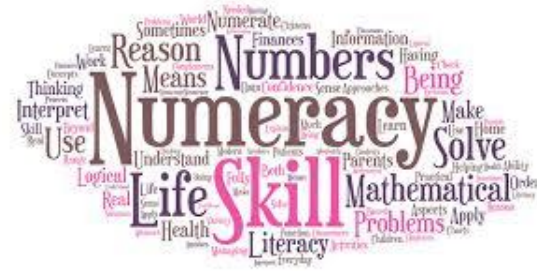
- Multiple choice
- Find the differences
- Spot the mistakes
- Prove it
- True or false
- Find the error

A hint will appear on each slide if needed, before showing the answer and sometimes there is an explanation as to why/how to solve the question.

Please allow your child to discuss the slides with you how they would work out the answer. They may use a different method than shown or than you used to use but that's fine.
'Being numerate is an essential life skill.'

Numeracy is 'everyday maths'

Home Numeracy Quiz



Being numerate is an essential life skill



Q1

Spot the mistake

a) $560 \div 16 = 35$
 $16 \times 35 = 560$

b) $330 - 128 = 202$
 $128 + 202 = 330$

c) $48 + 415 = 463$

$463 \div 48 = 415$ 
 $463 - 48 = 415$ 

d) $47 \times 13 = 611$
 $611 \div 47 = 13$

Use the correct mathematical operation (+, -, x, ÷)

Q2

Multiple choice

1/7/2018 Princethorpe Way, Coventry CV3 2QD, 15.77 miles £2.21
UK 25.381 km

A) to Birmingham Airport (BHX),
Birmingham B26 3QJ, UK
(Avoiding motorways)

[Add return route](#) [Delete route](#) [View on route planner](#) [Hide map](#)

1/7/2018 Princethorpe Way, Coventry CV3 2QD, 15.33 miles £2.15
UK 24.672 km

B) to Birmingham Airport (BHX),
Birmingham B26 3QJ, UK

[Add return route](#) [Delete route](#) [View on route planner](#)

1/7/2018 Princethorpe Way, Coventry CV3 2QD, 47.08 miles £6.59
UK 75.783 km

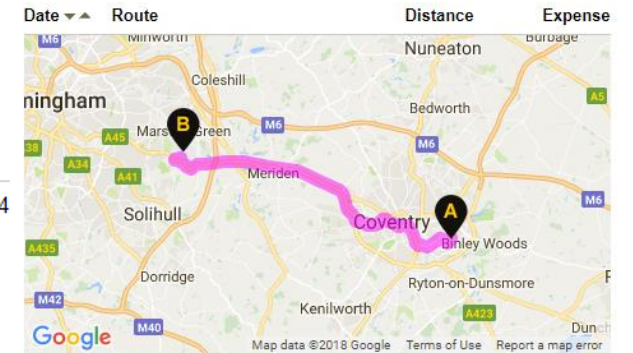
C) to Birmingham Airport (BHX),
Birmingham B26 3QJ, UK
via M6 Toll, Sutton Coldfield WS14
0PS, UK

[Add return route](#) [Delete route](#)

1/7/2018 Princethorpe Way, Coventry CV3 2QD, 15.29 miles £2.14
UK 24.617 km

D) to Birmingham Airport (BHX),
Birmingham B26 3QJ, UK
via Coventry CV1 5PJ, UK

[Add return route](#) [Delete route](#)



Fiona is going on holiday and is flying from Birmingham Airport. Which is her quickest route?

- 1) Fiona should take route D because it is 15.29 miles.
- 2) Fiona should take route D because it is cheaper.
- 3) ✓ Fiona should take route D because it is 15.29 miles and compared to the next quickest route it is 4 miles less.
- 4) Fiona should take route D.

Back up statements and arguments with numbers or statistics

Q3

True or False?

False

$$25 + 9 = 34 - 6 = 28$$

$$25 + 9 = 34$$

$$34 - 6 = 28$$

True

$$324 \div 6 = 54$$

True

$$60 - 18 = 21 + 21$$

False

$$35 + 14 = 49 \div 7 = 7$$

True

$$50 + 70 = 120$$

$$35 + 14 = 49$$

$$49 \div 7 = 7$$

Only use one equals sign per line

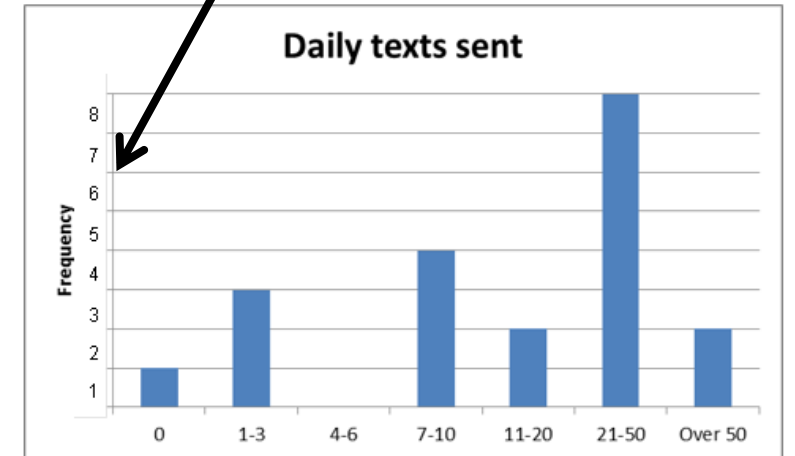
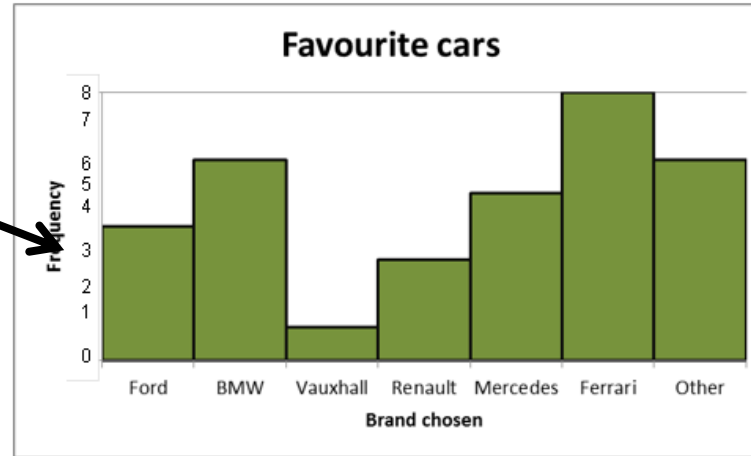
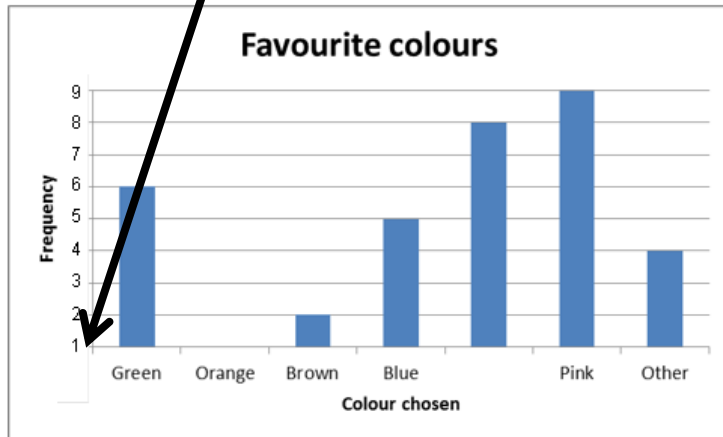
Q4

Find the error on the frequency scale

Incorrect steps

Zero missing

Not on the lines



Put regular 'scales' on axes

Q5

Multiple choice

- Lottie has a bag of apples.
- She gives half of them to Fred.
- Fred eats two and has four left.
- How many apples did Lottie have at start?

A: 4

B: 6

C: 2

D: 12



- Fred has $2 + 4 = 6$
- Lottie gave half away, so double Fred's 6
- Lottie had 12 apples in her bag at the start.

Check: $12 - 6 = 6$ for Fred
Fred $6 - 2 = 4$ left

Double check if the answer makes sense in context

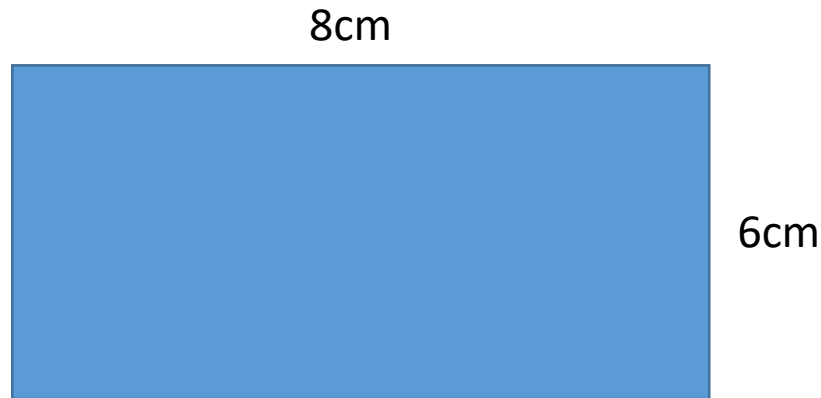
Q6

Spot the mistake

Tom and his best friend Jack have both worked out this problem.

- Tom says the area of the rectangle is 48.
- Jack says the area of the rectangle is 28.

Who is correct?



- Tom is correct because he has multiplied the base and the height to find the area. **BUT**, he has not written **cm²** in his answer!
- Jack has worked out the perimeter.

Include units with answers

Q7

Is this correct? Can you prove it?

Karim buys:

- 3 calculators costing £7.50 each
- 4 pencils costing 79p each

He pays with two £20 notes.

How much change should Karim get?

= £15.34



calculators 3 x £7.50 = £22.50

pencils 4 x £0.79 = £3.16

22.50
+ 3.16
25.66

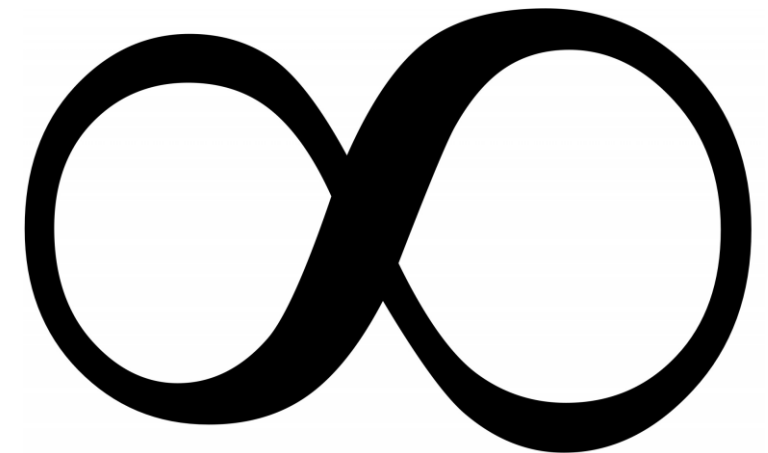
40.00
- 25.66
14.34

Show working out (even when using a calculator)

Maths Secret Seven



- 1) Show working out (even when using a calculator).
- 2) Double check if the answer makes sense in context.
- 3) Back up statements and arguments with numbers or statistics.
- 4) Use the correct mathematical operation (+, -, \times , \div).
- 5) Put regular 'scales' on axes.
- 6) Include units with answers.
- 7) Only use one equals sign per line.





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