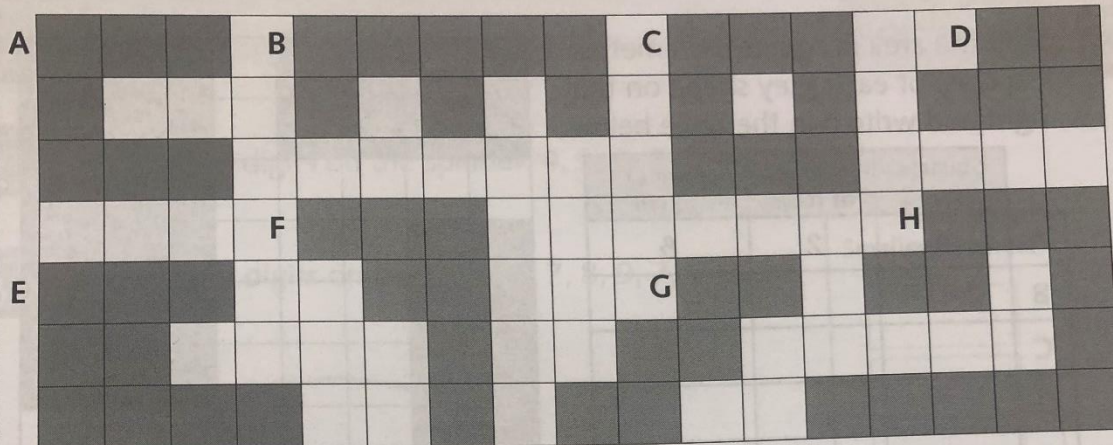


Choose 1 (mild), 2 (medium), or 3 (spicy). Answer any questions that include your chosen number.

Areas of shapes

Find the area of rectangles and other shapes by counting squares



Challenges
1,2,3

Find the area in square centimetres (sq cm) of each grey shape above and write it in the table below.

Shape	A	B	C	D	E	F	G	H
Area in sq cm								

Challenges
2,3

1 Which of the grey shapes has:

a the smallest area?

b the largest area?

c the same area as shape C?

d twice the area of shape G?

2 a Which two shapes will fit together to make a completely shaded rectangle? and

b What is the area of that rectangle? sq cm

Challenge
3

* 1 Jordan's school photo measures 8 cm by 6 cm. His mum has two choices of reprint size:

a sides 2 cm longer b sides 4 cm longer.

Find the area in square centimetres for all three photos and write the answers on the back of this sheet.



*This question requires you to multiply the length of one side by the length of the other to find the area. This is the quickest way to work out the area of a rectangle. For example a photo measuring 3cm by 5cm would have an area of $3 \times 5 = 15$ square cm

Answers:

Unit 8, Week 3: Measurement
(perimeter and area)

Lesson 3: Areas of shapes

Challenges
1,2,3

Shape	A	B	C	D	E	F	G	H
Area in square cm	7	8	8	5	9	7	6	12

Challenges
2,3

1 a d b h c b d h
2 a f and d b 12 sq cm

566

Challenges
3

1 a, b 8 cm by 6 cm = 48 sq cm,
10 cm by 8 cm = 80 sq cm,
12 cm by 10 cm = 120 sq cm

Lesson 4: Area in action

Challenges
1,2,3

Squares per	Number of	Area in
-------------	-----------	---------