Name & Surname: _____ Class: _____ Date: _____

Three, Four, Eight!

Recall and use 3, 4 and 8 facts

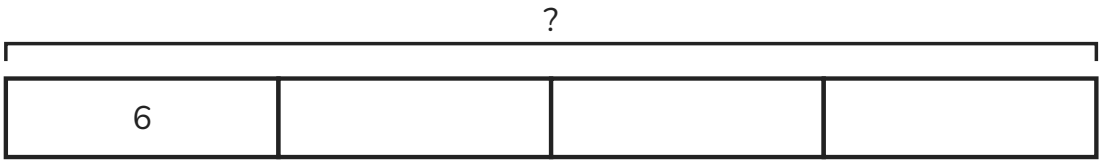
About 60 minutes Level ★★★☆☆

Task A

/4

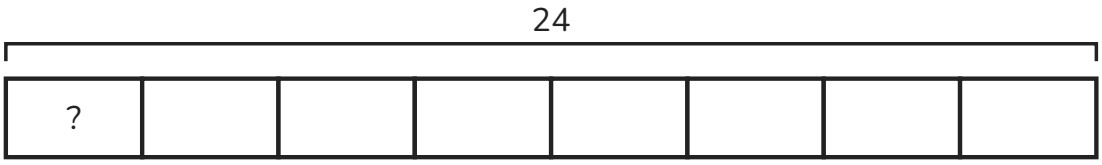
Use the bar models to find the missing numbers.

1 There are 4 **boxes** with 6 pencils in each box. How many pencils are there altogether?



Answer: _____ **pencils**

2 A teacher **shares** 24 stickers equally between 8 children. How many stickers does each child get?



Answer: _____ **stickers**

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Warm Up Tables

Practise quick 3, 4 and 8 facts.

Key words

multiple: a number you get when you count in equal steps, like 12 when you count in 3s

divide: share into equal parts

double: two times as many

product: the answer to a multiplication

array: objects in neat rows and columns

Task B

/10

Answer these 3, 4 and 8 questions. Use skip counting if you need to.

WARM UP

1 **Multiply** 3 × 4

Answer: _____

2 **Multiply** 4 × 5

Answer: _____

3 **Multiply** 8 × 2

Answer: _____

4 **Multiply** 3 × 5

Answer: _____

PRACTISE

5 **Divide** 12 ÷ 3

Answer: _____

6 **Divide** 28 ÷ 4

Answer: _____

7 **Divide** 48 ÷ 8

Answer: _____

PROBLEM SOLVING

8 There are 4 **bags** with 8 marbles in each bag. How many marbles are there?

Answer: _____

9 24 apples are **shared** equally between 3 bowls. How many in each bowl?

Answer: _____

10 Explain how you know that 3 × 8 = 24.

Answer: _____

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Stretch Your Facts

Try harder facts and two-step problems with 3, 4 and 8.

Task C

/10

Solve these facts. Use doubling from 4 to 8 to help.

WARM UP

1 **Multiply** 3 × 6

Answer: _____

2 **Multiply** 4 × 7

Answer: _____

3 **Multiply** 8 × 4

Answer: _____

4 **Multiply** 3 × 9

Answer: _____

PRACTISE

5 **Divide** 32 ÷ 4

Answer: _____

6 **Divide** 56 ÷ 8

Answer: _____

7 **Divide** 18 ÷ 3

Answer: _____

PROBLEM SOLVING

8 A pack holds 4 **pencils**. A student buys 3 packs and gets 2 more pencils. How many pencils now?

Answer: _____

9 If 4 × 8 = 32, use **double** to find 8 × 8.

Answer: _____

10 There are 8 tables with 3 **chairs** at each table. 2 chairs break. How many chairs are left?

Answer: _____

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Pick and Grid

Choose the right answers and fill the facts grid.

Task D

Example done for you

/3

Tick the correct answer. Watch for nearby facts that look alike.

1. What is 3 × 7?
   - [x] 21
   - [ ] 24
   - [ ] 18
2. What is 4 × 7?
   - [ ] 24
   - [ ] 28
   - [ ] 32
3. What is 8 × 6? Use **double** 4 × 6 to check.
   - [ ] 42
   - [ ] 46
   - [ ] 48
4. What is 24 ÷ 8?
   - [ ] 4
   - [ ] 3
   - [ ] 8

Task E

/9

Fill the missing products in the grid.

×	3	4	6	8
3		12		
4	12			32
8				

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Worked Doubling

Learn the double trick then finish the counting patterns.

Task F /2

Study the steps, then try the matching question.

WORKED EXAMPLE

Work out 8 × 6

1. Recall 4 × 6 = 24
2. Double it for 8 × 6
3. 24 + 24 = 48

Answer: 48

YOUR TURN

Work out 8 × 7

Answer: _____

WORKED EXAMPLE

Work out 32 ÷ 4

1. Think 4 × ? = 32
2. 4 × 8 = 32
3. So 32 ÷ 4 = 8

Answer: 8

YOUR TURN

Work out 24 ÷ 8

Answer: _____

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Three, Four, Eight!

Task G

/9

Write the next numbers. Look for steps of 3, 4 or 8.

1	3	6	9	12			
2	4	8	12	16	20		
3	8	16	24	32			
4	36	33	30	27			

How did I do?

Circle a face for each line.

I can recall 3, 4 and 8 facts quickly.

I can use doubling to find 8 facts from 4 facts.

I can use multiplication facts to divide.

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Answer sheet: Three, Four, Eight!

Task A

1. 24 pencils
2. 3 stickers

Task B

1. 12
2. 20
3. 16
4. 15
5. 4
6. 7
7. 6
8. 32
9. 8
10. Three groups of 8 are 8 + 8 + 8 = 24.

Task C

1. 18
2. 28
3. 32
4. 27
5. 8
6. 7
7. 6
8. 14
9. 64
10. 22

Task D

1. a) 21
2. b) 28
3. c) 48
4. b) 3

Task E

3 × 3, 4, 6, 8: 9, 12, 18, 24
4 × 3, 4, 6, 8: 12, 16, 24, 32
8 × 3, 4, 6, 8: 24, 32, 48, 64

Task F

1. 56
2. 3

Task G

1. 15, 18
2. 24, 28
3. 40, 48, 56
4. 24, 21

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