



Multiplication

- 1** Estimate the product by rounding each number to its leading digit.

$$51 \times 7 = ?$$

- | | |
|---|--------------|
| A | approx 3,500 |
| B | approx 350 |
| C | approx 35 |
| D | approx 400 |

- 2** Estimate the product by rounding each number to its leading digit.

$$79 \times 32 = ?$$

- | | |
|---|---------------|
| A | approx 240 |
| B | approx 2,400 |
| C | approx 2,528 |
| D | approx 24,000 |

- 3** Estimate the product by rounding each number to its leading digit.

$$904 \times 4 = ?$$

- | | |
|---|---------------|
| A | approx 3,616 |
| B | approx 4,500 |
| C | approx 36,000 |
| D | approx 3,600 |

- 4** Estimate the product by rounding each number to its leading digit.

$$915 \times 81 = ?$$

- | | |
|---|---------------|
| A | approx 74,115 |
| B | approx 73,200 |
| C | approx 72,000 |
| D | approx 7,200 |

- 5** Select the equation that is the same as the given multiplication equation using the distributive property

$$3 \times 13$$

- | | |
|---|----------------------------------|
| A $(3 \times 10) + (10 \times 17)$ | B $(3 \times 10) + (3 \times 3)$ |
| C $(3 + 3) \times (10 + 3)$ | D $(3 \times 3) + (10 + 3)$ |
| E $(3 \times 3) + (10 \times 3) + (3 \times 3)$ | F $(3 \times 5) + (10 \times 4)$ |

- 6** Multiply these numbers

$$\begin{array}{r} 30 \\ \times 4 \\ \hline \end{array}$$

- | | |
|---------|----------|
| A 1.2 | B 12,000 |
| C 120 | D 12 |
| E 1,200 | |

- 7** How can you multiply 15 by 8 by breaking 15 apart

$$15 \times 8$$

- | |
|---------------------------------------|
| A $(10 \times 8) + (5 \times 8)$ |
| B $(10 \times 8) \times (5 \times 8)$ |

- 8** How can you multiply 13 by 15 by breaking 15 apart

$$\begin{array}{r} 13 \\ \times 15 \\ \hline \end{array}$$

- | |
|------------------------------------|
| A $(13 \times 10) + (13 \times 3)$ |
| B $(13 \times 10) + (13 \times 5)$ |



Multiplication

9 What rule turns each input into its output?

Input	Output
5	1
10	2
15	3
40	8
45	9

A

divide by 5

B

subtract 6

C

divide by 10

D

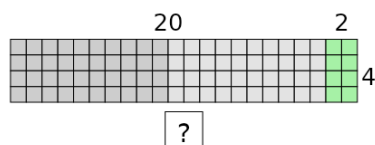
subtract 4

10 Select the equation that is the same as the given multiplication equation using the commutative property

$$2 \times 7 \times 3$$

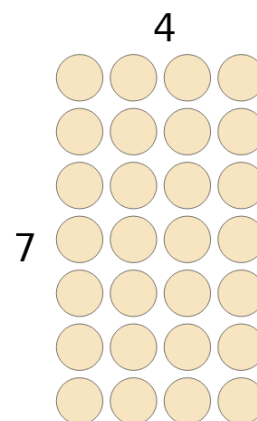
A	14×3	B	20×11
C	3×13	D	17×14
E	9×14	F	10×10

12 Use the area model to find the product of 22 and 4



A	92	B	84	C	83
D	88	E	86	F	91

11 Use multiplication to count how many circles there are

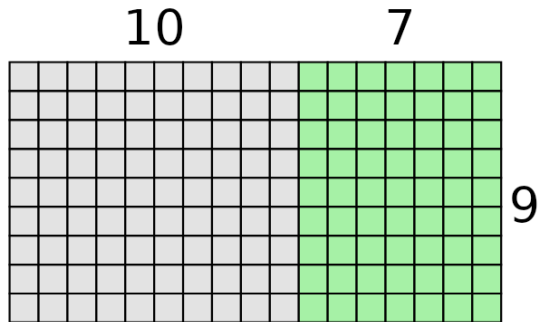


A	22	B	36	C	28
D	42	E	8	F	44



Multiplication

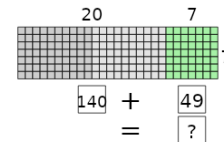
13 Use the area model to find the product of 17 and 9



?

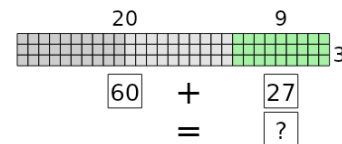
A	156	B	150	C	149
D	157	E	153	F	155

14 Use the area model to find the product of 27 and 7



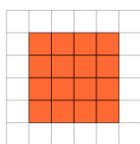
A	189	B	191	C	185
D	186	E	184	F	193

15 Use the area model to find the product of 29 and 3



A	89	B	85	C	90
D	91	E	84	F	87

16 Find the area of the shape on this grid of 1x1 squares



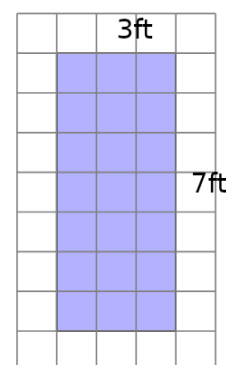
A	7	B	16	C	23
D	19	E	22	F	12

18 What is the area of a shape with these dimensions?

Rectangle
width : 11km
height : 4km

A	15km ²	B	22km ²
C	8km ²	D	30km ²
E	44km ²		

17 Find the number of 1ft by 1ft squares this rectangle covers

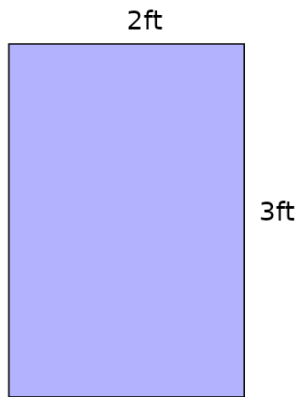


A	10ft ²	B	6ft ²
C	14ft ²	D	20ft ²
E	21ft ²		



Multiplication

19 Find the area of this rectangle



A 6ft^2

B 10ft^2

C 12ft^2

D 4ft^2

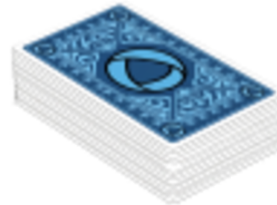
E 5ft^2

20 9 players each have 6 cards in their hand. How many total cards?



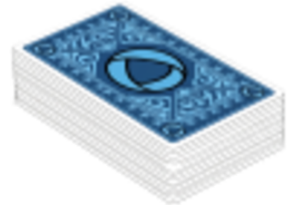
9 players 6 each

A



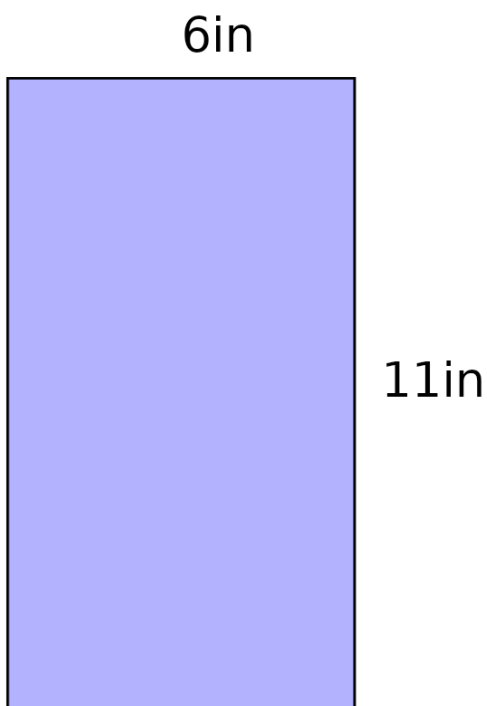
55 cards

B



54 cards

21 Find the area of this rectangle



A

22in^2

B

66in^2

C

34in^2

D

117in^2



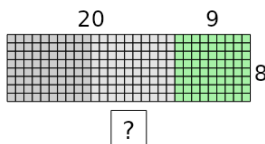
Multiplication

22 Solve this problem:

Each koala eats 8 apples. There are 2 koalas. Each apple weighs 3 grams. How many apples are eaten in total?

A 16	B 10	C 0
D 6	E 13	F 2

24 Use the area model to find the product of 29 and 8



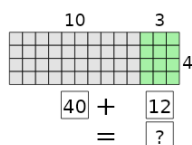
A 232	B 236	C 228
D 235	E 229	F 227

25 Multiply these numbers

$$7 \times 21$$

A 126	B 123
C 14,700	D 129
E 147	F 173

27 Use the area model to find the product of 13 and 4



A 48	B 49	C 47
D 55	E 52	F 56

23 Use multiplication to count how many candies there are

3



6



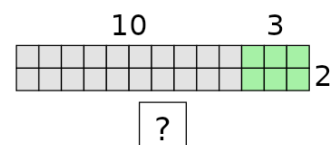
A 26	B 13	C 8
D 17	E 9	F 18

26 Multiply these numbers

$$\begin{array}{r} 19 \\ \times 6 \\ \hline \end{array}$$

A 108	B 117	C 111
D 114	E 96	F 102

28 Use the area model to find the product of 13 and 2



A 23	B 26	C 30
D 28	E 21	F 24



Multiplication

29 Multiply these numbers

$$9 \times 762$$

A	6,858	B	771
C	685,800	D	686
E	68,580	F	6,652

30 Multiply these numbers

$$\begin{array}{r} 687 \\ \times 6 \\ \hline \end{array}$$

A	412,200	B	4,617
C	4,864	D	412
E	4,122	F	4,658

31 Multiply these numbers

$$\begin{array}{r} 3332 \\ \times 3 \\ \hline \end{array}$$

A	7,997	B	9,996
C	11,196	D	11,096
E	1,000	F	10,596

32 Multiply these numbers

$$8 \times 5,184$$

A	45,619	B	414,720
C	41,472	D	4,147
E	415	F	42,301

33 Multiply these numbers

$$20 \times 7$$

A	14,000	B	14
C	1,400	D	1
E	140		

34 Multiply these numbers

$$\begin{array}{r} 18 \\ \times 13 \\ \hline \end{array}$$

A	234	B	23	C	222
D	187	E	31	F	2,340

35 Multiply these numbers

$$10 \times 10$$

A	90	B	100	C	140
D	110	E	50	F	40

36 Multiply these numbers

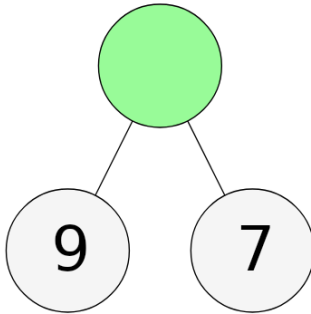
$$7 \times 6$$

A	2	B	18	C	22
D	38	E	62	F	42

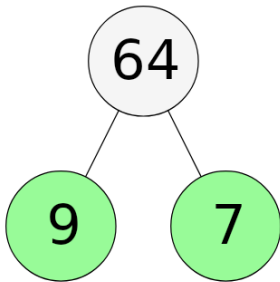


Multiplication

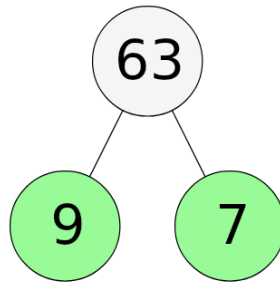
37 What product does this factor pair give when multiplied?



A



B



40 Multiply these numbers
$$\begin{array}{r} 335 \\ \times 25 \\ \hline \end{array}$$

A	B	C
7,202	84	7,119
D	E	F
838	8,375	7,872

38 Solve this problem:

A group of 7 kids each have a bag containing 6 pieces of candy. How many pieces of candy in total?

A

34

B

13

C

40

D

42

E

-6

F

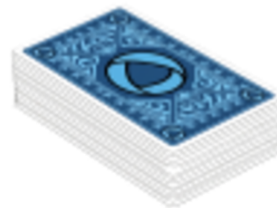
37

39 5 players each have 16 cards in their hand. How many total cards?



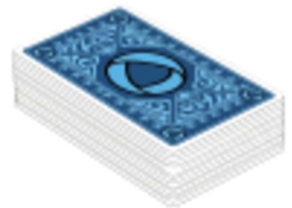
5 players 16 each

A



81 cards

B



80 cards