

20 Math Tasks That Engage and Challenge

3rd
through
5th

1

$$\star + \star = 30$$
$$\text{face} + \text{face} = 20$$
$$\text{shopping cart} + \text{shopping cart} = 6$$
$$(\star + \text{face}) \times \text{shopping cart} = ?$$

2

$$\text{mushroom} + \text{mushroom} = 20$$
$$\text{carrot} + \text{carrot} = 80$$
$$\text{donut} + \text{donut} = 8$$
$$(\text{mushroom} + \text{carrot}) \times \text{donut} = ?$$

3

$$\text{shoe} + \text{shoe} = 14$$
$$\text{shoe} \times \text{shoe} = 49$$
$$\text{umbrella} \times \text{shoe} = 56$$
$$(56 \div \text{umbrella}) + \text{shoe} = ?$$

4

$$\text{motorcycle} + \text{truck} = 37$$
$$\text{motorcycle} - \text{truck} = 27$$
$$\text{truck} \times \text{truck} = 25$$
$$(40 \div \text{truck}) + \text{motorcycle} = ?$$

5

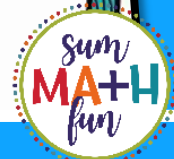
$$16 \div \text{shoe} = \text{shoe}$$
$$\text{boot} + \text{boot} = 6$$
$$\text{hand} \times \text{hand} = 100$$
$$(\text{boot} + \text{shoe}) \times \text{hand} = ?$$

6

$$\text{cup} \times \text{cup} = 72$$
$$\text{cup} - \text{cup} = 1$$
$$12 - \text{cup} = 4$$
$$(\text{cup} - 4) \times 9 = ?$$

- ★ Investigate math facts and operations
- ★ Make generalizations about number relationships

By Leah Popinski



Targeted \leftrightarrow Computation Inside and Out

Leveled

5

$$\begin{aligned} \text{🌡} + \text{🌡} &= 100 \\ \text{☁} + \text{☁} &= 80 \\ \text{☁} + \text{☁} &= 4 \\ (\text{🌡} - \text{☁}) + \text{☁} &= ? \end{aligned}$$

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13

$$\begin{aligned} 25 \div \text{☂} &= \text{☂} \\ \text{☂} \times \text{☂} &= 36 \\ 49 \div \text{☀} &= \text{☀} \\ \text{☀} - (24 \div \text{☂}) + \text{☂} &= ? \end{aligned}$$

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19

$$\begin{aligned} \text{🏍} + \text{🚗} &= 37 \\ \text{🏍} - \text{🚗} &= 27 \\ \text{🚗} \times \text{🚗} &= 25 \\ (40 \div \text{🚗}) + \text{🏍} &= ? \end{aligned}$$

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6

$$\begin{aligned} \text{🌀} \times \text{🌀} &= 36 \\ \text{🦄} + \text{🦄} &= 6 \\ \text{🌳} + \text{🌳} &= 40 \\ (\text{🌳} \times \text{🦄}) - \text{🌀} &= ? \end{aligned}$$

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14

$$\begin{aligned} 81 \div \text{👕} &= \text{👕} \\ \text{👕} + \text{👕} &= \text{👖} \\ \text{👖} - \text{👕} &= 3 \\ \text{👕} + (\text{👖} - \text{👕}) &= \text{👕} \end{aligned}$$

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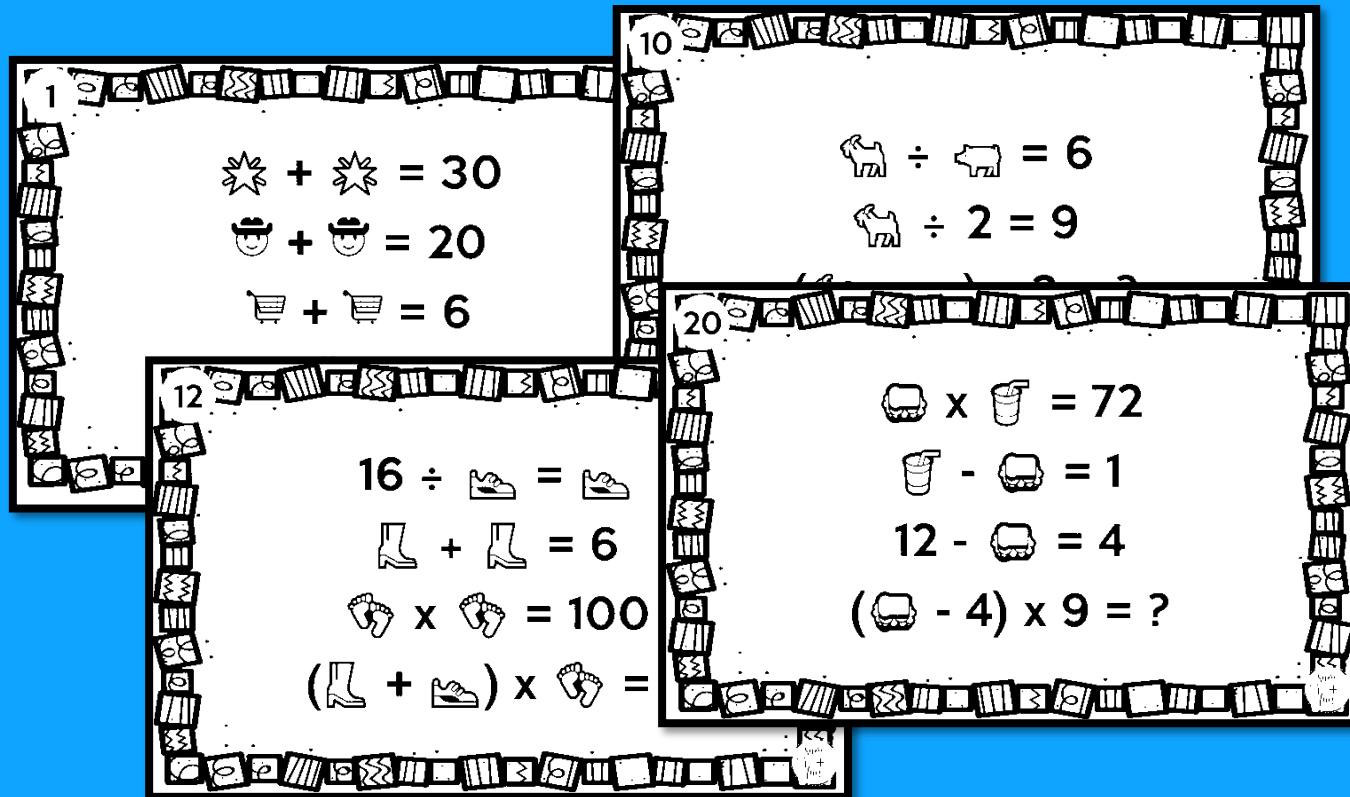
20

$$\begin{aligned} \text{🥤} \times \text{🥤} &= 72 \\ \text{🥤} - \text{🥤} &= 1 \\ 12 - \text{🥤} &= 4 \\ (\text{🥤} - 4) \times 9 &= ? \end{aligned}$$

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To save on colored ink but still have a pop of color, print in grayscale on colored paper

Answer Keys For All Challenges

1

 = 15  = 10  = 3

$$(15 + 10) \times 3 = 75$$

$$(\text{star} + \text{smiley face}) \times \text{shopping cart} = ?$$

Answer Key

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2

 = 10  = 4


$$(10 + 40) \times 4$$

$$(\text{mushroom} + \text{carrot}) \times \text{shopping cart} = ?$$

Answer Key

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19

 = 32  = 5

$$(40 \div 5) + 32 = 40$$

$$(\text{bus}) + \text{motorcycle} = ?$$

Answer Key

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11

 = 7  = 8

$$(56 \div 8) + 7 = 14$$

$$(56 \div \text{umbrella}) + \text{glasses} = ?$$

Answer Key

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12

 = 18  = 3

$$(18 - 3) \times 2 = 30$$

$$(\text{dog} - \text{pig}) \times 2 = ?$$

Answer Key

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 = 9

$$\text{shopping cart} \times 9 = 36$$

$$(\text{shopping cart} \div 4) \times 9 = ?$$

