

Name: Sample

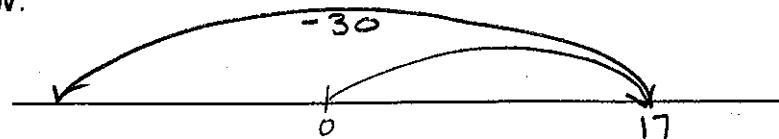
Date: _____

Adding and Subtracting Integers

Practice 1

Each question is worth 1 point.

- 1) You are asked to solve the problem $17 + (-30)$. Model this problem on the number line below.

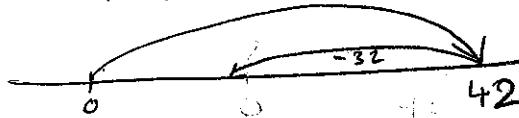


- 2) Will the answer to the problem $25 + (-95)$ be positive or negative? (circle one)

- 3) In complete sentences explain how to find the answer when adding a positive and a negative integer.

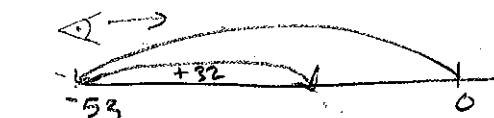
When add a negative and a positive integer, find the absolute numbers of both integers. Find the the difference. Place the original sign from the larger absolute value on your answer.

4) $42 + (-32)$



$$\begin{array}{r} 42 \\ - 32 \\ \hline 10 \end{array}$$

5) $(-53) + 32$



$$\boxed{-} \begin{array}{r} 53 \\ - 32 \\ \hline -21 \end{array}$$

Answers

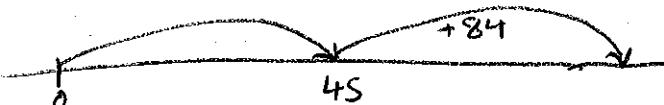
4. 10

5. -21

6. 129

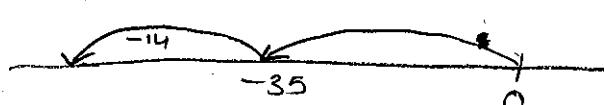
7. -49

6) $45 + 84$



$$\begin{array}{r} 45 \\ + 84 \\ \hline 129 \end{array}$$

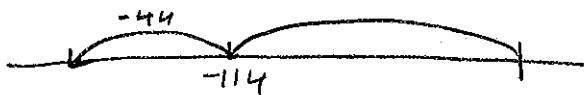
7) $(-35) + (-14)$



$$\begin{array}{r} 35 \\ + 14 \\ \hline - 49 \end{array}$$

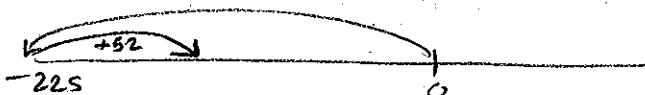
Answer

8) $(-114) + (-44)$



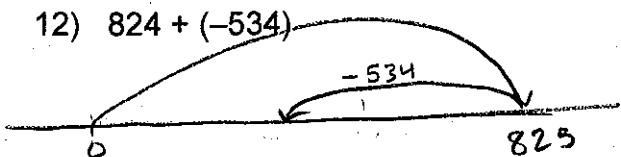
$$\begin{array}{r}
 114 \\
 + 44 \\
 \hline
 -158
 \end{array}$$

10) $(-225) + 52$



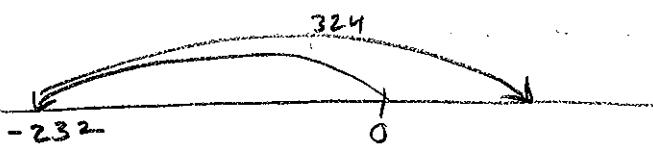
$$\begin{array}{r}
 225 \\
 - 52 \\
 \hline
 -173
 \end{array}$$

12) $824 + (-534)$



$$\begin{array}{r}
 824 \\
 - 534 \\
 \hline
 290
 \end{array}$$

14) $(-232) + 324$



$$\begin{array}{r}
 324 \\
 - 232 \\
 \hline
 92
 \end{array}$$

9) $234 + (-23)$



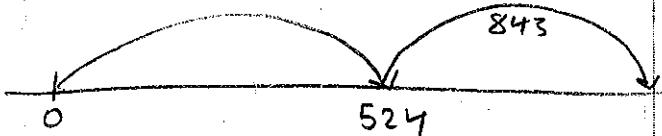
$$\begin{array}{r}
 234 \\
 - 23 \\
 \hline
 211
 \end{array}$$

11) $542 + 45$



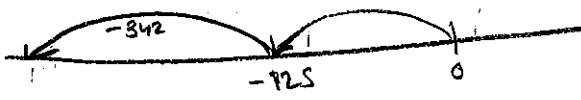
$$\begin{array}{r}
 542 \\
 + 45 \\
 \hline
 587
 \end{array}$$

13) $524 + 843$



$$\begin{array}{r}
 524 \\
 + 843 \\
 \hline
 1367
 \end{array}$$

15) $(-125) + (-342)$



$$\begin{array}{r}
 125 \\
 + 342 \\
 \hline
 467
 \end{array}$$

8. -1589. 21110. -17311. 58712. 29013. 136714. 9215. 467

- 16) You are asked to solve the problem $(-54) - (-21)$. Model this problem on the number line below.

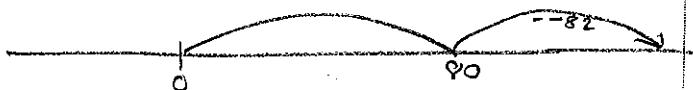


- 17) Will the answer to the problem $(-54) - (-21)$ be positive or negative? (circle one)

- 18) In complete sentences, explain how to find the answer when subtracting integers.

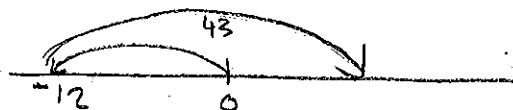
When subtracting integers you add the opposite of the second number. At this point you may use the add rules - two positive added have a positive answer, two negatives have a negative answer and when you have a negative and a positive you find the absolute values, then their difference. Take the sign from the larger absolute value's original number and place it on your answer to finish.

19) $80 - (-82)$



$$\begin{array}{r} 80 \\ + 82 \\ \hline 162 \end{array}$$

20) $(-12) + 43$



$$\begin{array}{r} 43 \\ - 12 \\ \hline 31 \end{array}$$

Answers

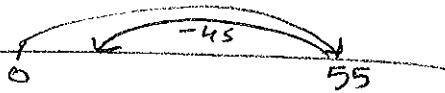
12. 162

20. 31

21. 10

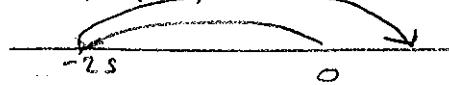
22. 28

21) $55 - 45$



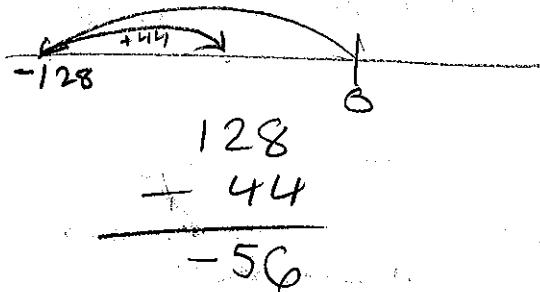
$$\begin{array}{r} 55 \\ - 45 \\ \hline 10 \end{array}$$

22) $(-25) - (-53)$

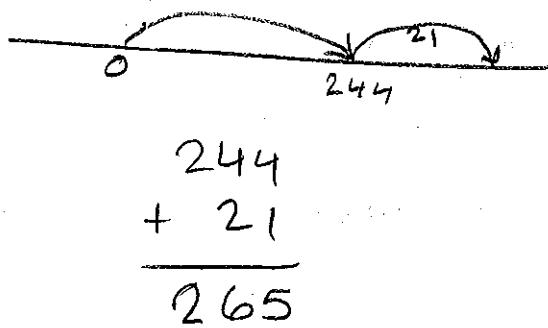


$$\begin{array}{r} 53 \\ - 25 \\ \hline 28 \end{array}$$

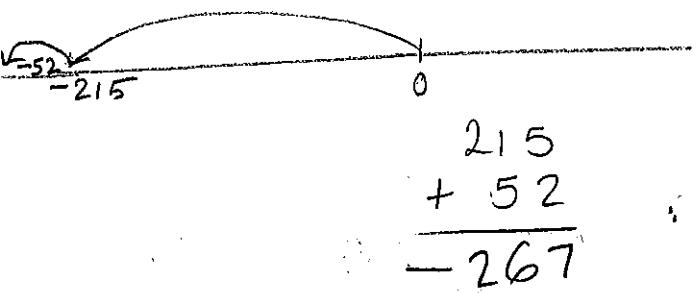
23) $(-128) - (-44)$



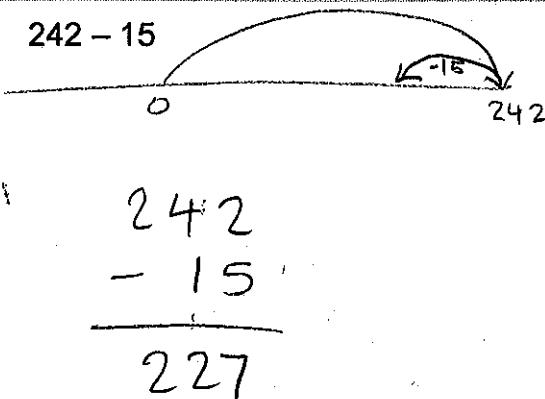
24) $244 - (-21)$



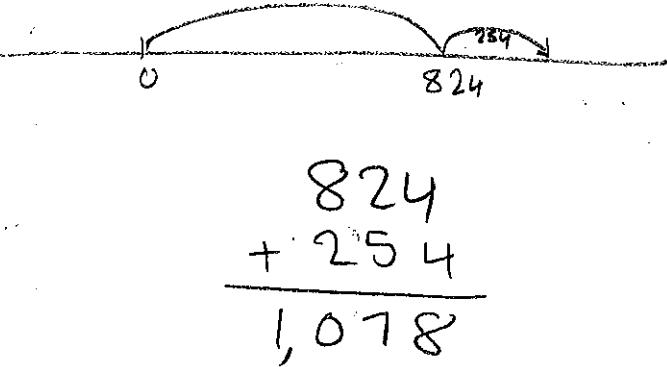
25) $(-215) - 52$



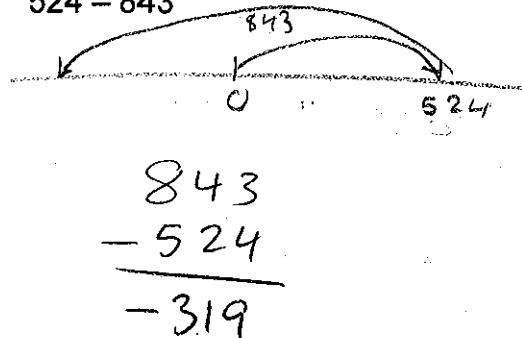
26) $242 - 15$



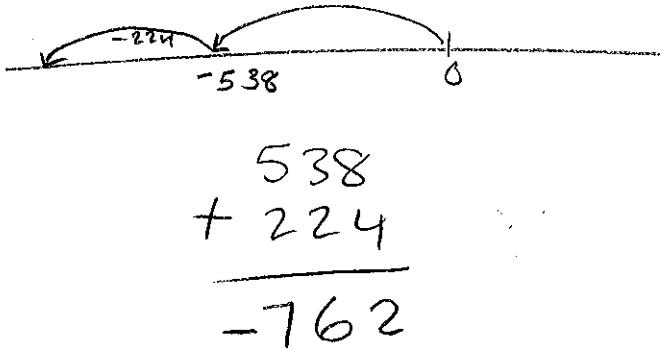
27) $824 - (-254)$



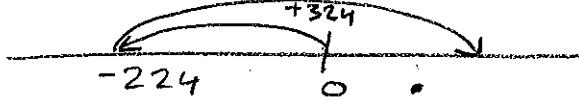
28) $524 - 843$



29) $(-538) - 224$



30) $(-224) - (-324)$

23. -5624. 26525. -26726. 22727. 1,07828. -31929. -76230. 100